

WCCF 77

BOOKS

INTERFACING SELECTRICS TO MICROCOMPUTERS \$12.00

- * COMPLETE HARDWARE SCHEMATIC FOR SELECTRIC PRINTING USING RS-232 ASCII INPUT
- * SELECTRIC CODING TABLES
- * TIMING DIAGRAMS FOR OUTPUT & INPUT
- * INFORMATION PROFILES ON SELECTRIC MANUALS, SUPPLIERS, AND INTERFACING MATERIALS
- * HOW TO PURCHASE A USED TERMINAL
- * SOFTWARE DIAGNOSTICS

SELECTING A FLOPPY DISK SYSTEM \$12.00

(Available April 30, 1977)

- * OVER 75 CRITERIA TO USE IN SELECTING DISK DRIVES, CONTROLLERS, & SOFTWARE.
- * SPECIFICATIONS OF MAJOR SYSTEMS
- * HOW TO SELECT CRITERIA THAT WILL DETERMINE RELIABILITY.
- * HOW TO USE WEIGHTING FACTORS WITH YOUR OWN CRITERIA TO SELECT THE BEST SYSTEM FOR YOUR SPECIFIC NEEDS.
- * FUTURE SYSTEMS AND THIRD GENERATION PROJECTIONS

Bulk orders of five or more deduct 30% on kits and 40% on books. Kit orders shipped within 4 weeks ARO, book orders 1 week ARO.)

SELECTRIC INTERFACED

SYSTEM CAPABILITY

- * *Word Processing*
- * *Mailing Labels*
- * *Newsletter Editing*
- * *Stencil Preparation*
- * *Correspondence*
- * *Information Retrieval*

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SELECTRIC INTERFACE CARD SPECIFICATIONS:

- Input:** RS-232 serial interface for seven bit ASCII. Seven bit coding at 134.5 baud or eight bit coding at 150 baud.
- Output:** Seven 75452 IC drivers (open collector) for selector magnets rated to 30 volts at 300 ma. Seven discrete drivers circuits (open collector) for control functions rated to 40 volts at 1 amp. All output drivers pulsed at 30 ms., modifiable to other pulse widths. Print rate approximately 15 cps.
- Special Features:** Closed loop operation on upper shifted characters, carriage return and tab with hardware delays controlling Request-to-Send line to computer I/O card status. Selectric print coding stored in 1702 EPROM and easily alterable.
- Construction:** High quality board with solder resist and gold contact fingers. Ground plane construction on top of board to minimize solenoid noise. Size is 6" wide by 12" long by 5/8".
- Mounting:** Can be mounted under, beside, or external to selectric mechanism. (Suggested mounting is as close as practical to mechanism.)
- Power:** 300 ma. @ +5 volts
75 ma. @ -12 volts
(Also requires a +24 solenoid voltage, with current a function of solenoid types).
- Warranty:** All parts warranted 60 days. Because of the large variety of available terminals, we cannot guarantee the interface will drive any particular unit. A simplified diagram of our driver circuit is shown to determine the advisability of using our interface with your terminal.

The interface card is designed to work with used terminals on the market with 24 volt solenoids (as the Dura 1021) or with office typewriters using a Tycom adapter.

PRICING: (PRINT ONLY units)

- SELECT-A** Kit: \$325
Assembled: \$395
(You provide +5, -12, +24 and solenoids.)
- SELECT-B** Kit: \$375
Assembled: \$455
(Includes +5 and -12 power supplies. Your provide solenoids and solenoid power. Power supply transformer mounts external to card.)
- SELECT-C** Kit: \$395
Assembled: \$495
(With all power supplies and both transformers. You provide solenoids.)

TEST CIRCUIT

The interface card uses seven discrete circuit drivers for the control functions and seven 75452 drivers for the selector magnets and print cycle clutch. The following circuit is a simplified version of the 75452 circuit. This can be used to test your solenoid assembly for applicability in using our interface. The circuit should continuously print a "y". Do not use this circuit to test any control solenoids, as it will not have sufficient power.

